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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/661,387	09/13/2000	Richard Krikor Yardumian	36.P279	8076

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EXAMINER

WALLERSON, MARK E

ART UNIT	PAPER NUMBER
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2626

DATE MAILED: 07/01/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 09/661,387	Applicant(s) YARDUMIAN ET AL.	
	Examiner Mark E. Wallerson	Art Unit 2626	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on 18 January 2005.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☐ Claim(s) 1,3-8,10,12-17,19 and 21-26 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☐ Claim(s) 1,3,4,7,8,10,12,13,16,17,19,21,22,25 and 26 is/are rejected.
- 7) ☐ Claim(s) 5, 6, 14, 15, 23, 24 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

Part III DETAILED ACTION

Notice to Applicant(s)

1. This action is responsive to the following communications: amendment filed on 1/18/2005.

2. This application has been reconsidered. Claims 1, 3-8, 10, 12-17, 19, and 21-26 are pending.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

4. Claims 1, 3, 7, 8, 10, 12, 16, 17, 19, 21, 25, and 26 are rejected under 35 U.S.C. 102(e) as being anticipated by Choo (U.S. 6,430,321).

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With respect to claims 1, 8, 10, 17, 19, and 26, Choo discloses a print driver (203) executable on a user's personal computer (207) responsive to a selection of a print option from any application program comprising computer-executable code configured to receive output from an application program (column 1, lines 12-39 and column 4, lines 29-51); and computer-executable code configured to generate print output from the application program output (column 4, lines 29-51), the print output conforming to a scalable vector graphics (SVG) language (column 1, lines 39-47) (SVG) language, which is a standardized device independent output format (inherent), wherein the computer executable code configured to generate the print output further comprises computer readable code configured to convert absolute coordinates (print data) to SVG dimensions in accordance with physical dimensions of an output medium and a desired resolution (column 2, lines 7-20, 36-44 and 59-65, and column 4, lines 29-51).

With regard to claims 3, 12, and 21, Choo discloses 3 the application program output comprises Graphic Device Interface (GD1) commands (column 4, lines 40-67).

With regard to claims 7, 16, and 25, Choo discloses embedding image data within an element definition of the print output (column 4, lines 40-62).

Claim Rejections - 35 USC § 103

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

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6. Claims 4, 13, and 22, are rejected under 35 U.S.C. 103(a) as being unpatentable over Choo in view of Yeung (U.S. 6,426,798).

With respect to claims 4, 13, and 22, Choo differs from claims 4, 13, and 22 in that he does not clearly disclose tracking a state change associated with a hierarchical level defined in the application program output and determine when to include the state change in the print output.

Yeung discloses a standardized markup language (universal print description file 140) permits a hierarchy (hierarchal structure) of elements (predetermined data elements column 5, lines 60 to column 6, line 17), computer-executable code configured to track (if the new data elements are allowed the syntax has to have some way of tracking it) a state change (new data elements in the context of this reference reads on state change) associated with a hierarchical level defined in the application program output and determine (provide in the context of this reference will read on determine) when to include (the addition will read on to include) the state change (new data element) in the print output (column 5, line 60 to column 6, line 17).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time of the invention to combine the teachings of Choo and Yeung due to both reference disclosing printing systems that manipulate printer drivers, to provide for a standardized, hierarchal universal printer description data structure definition that can be used to create universal printer description file corresponding to a particular printer for use on any operating system.

Allowable Subject Matter

7. Claims 5, 6, 14, 15, 23, and 24 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Response to Arguments

8. Applicant's arguments with respect to claims 1, 3-8, 10, 12-17, 19, and 21-26 have been considered but are moot in view of the new ground(s) of rejection.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mark E. Wallerson whose telephone number is (571) 272-7470. The examiner can normally be reached on Monday-Friday - 6:30-4:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kimberly Williams can be reached on (571) 272-7471. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

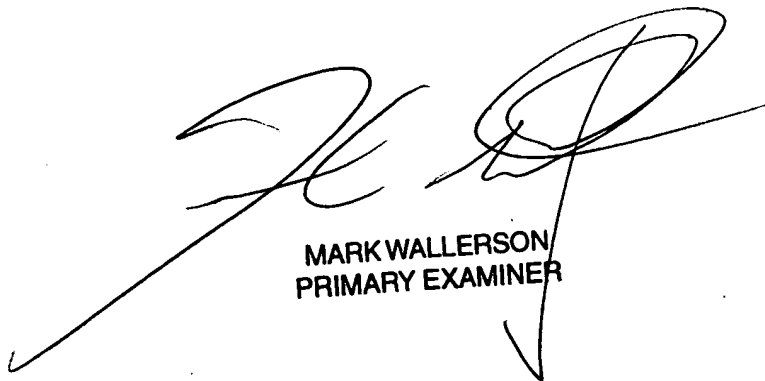
Mark E. Wallerson

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Primary Examiner
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A handwritten signature in black ink, consisting of stylized, overlapping loops and lines, positioned above the printed name and title.

MARK WALLERSON
PRIMARY EXAMINER